

FIG. 1

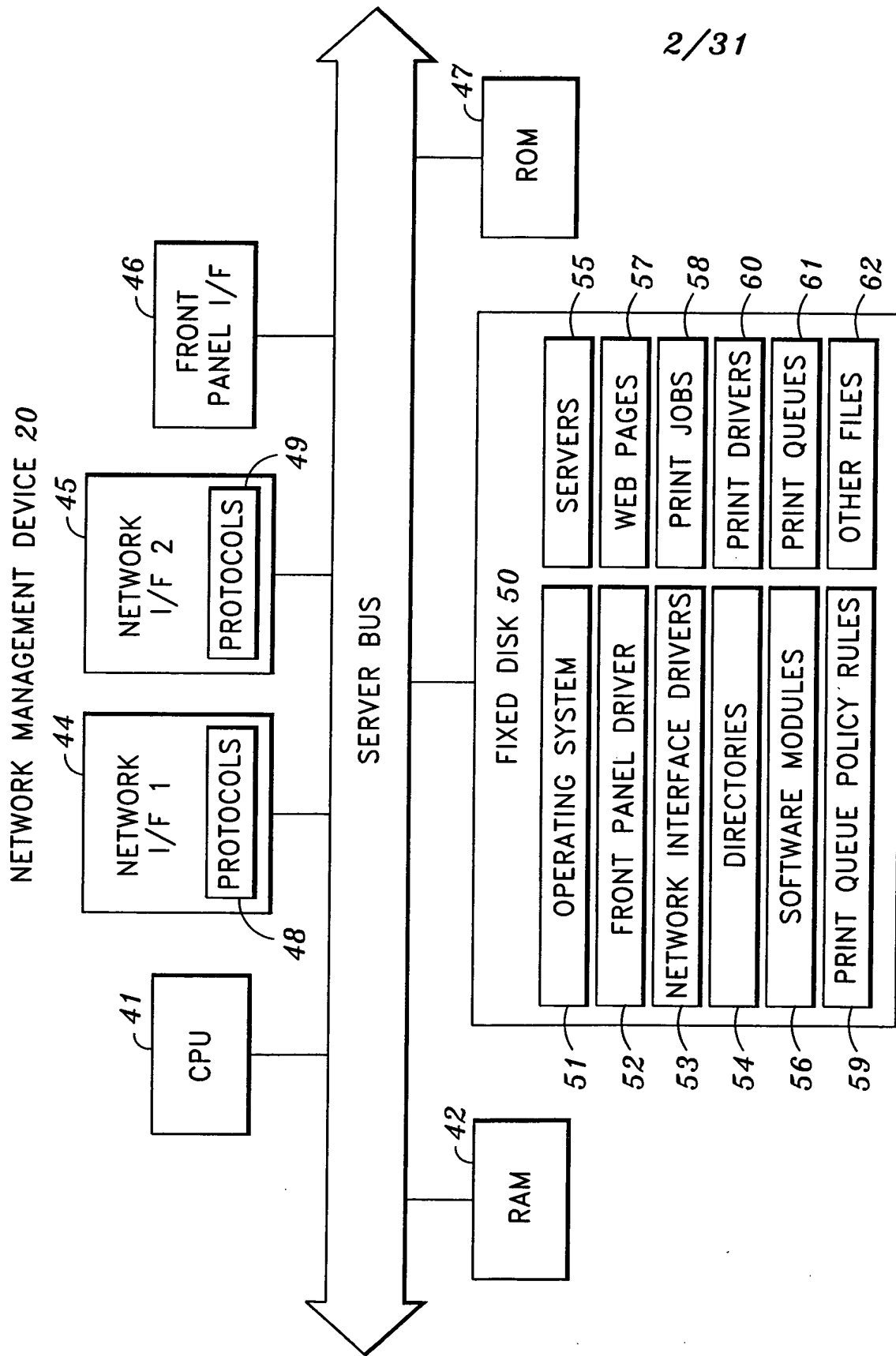


FIG. 2

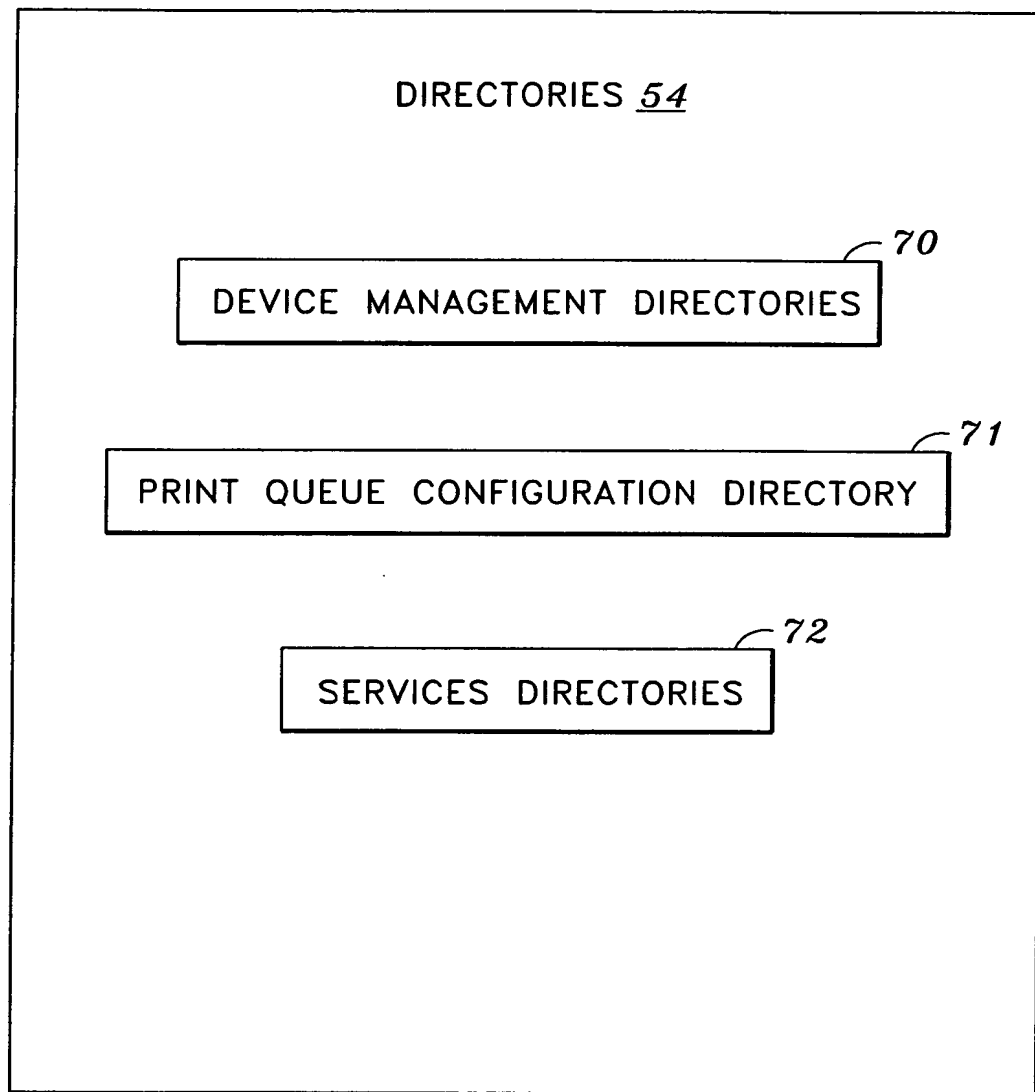


FIG. 3

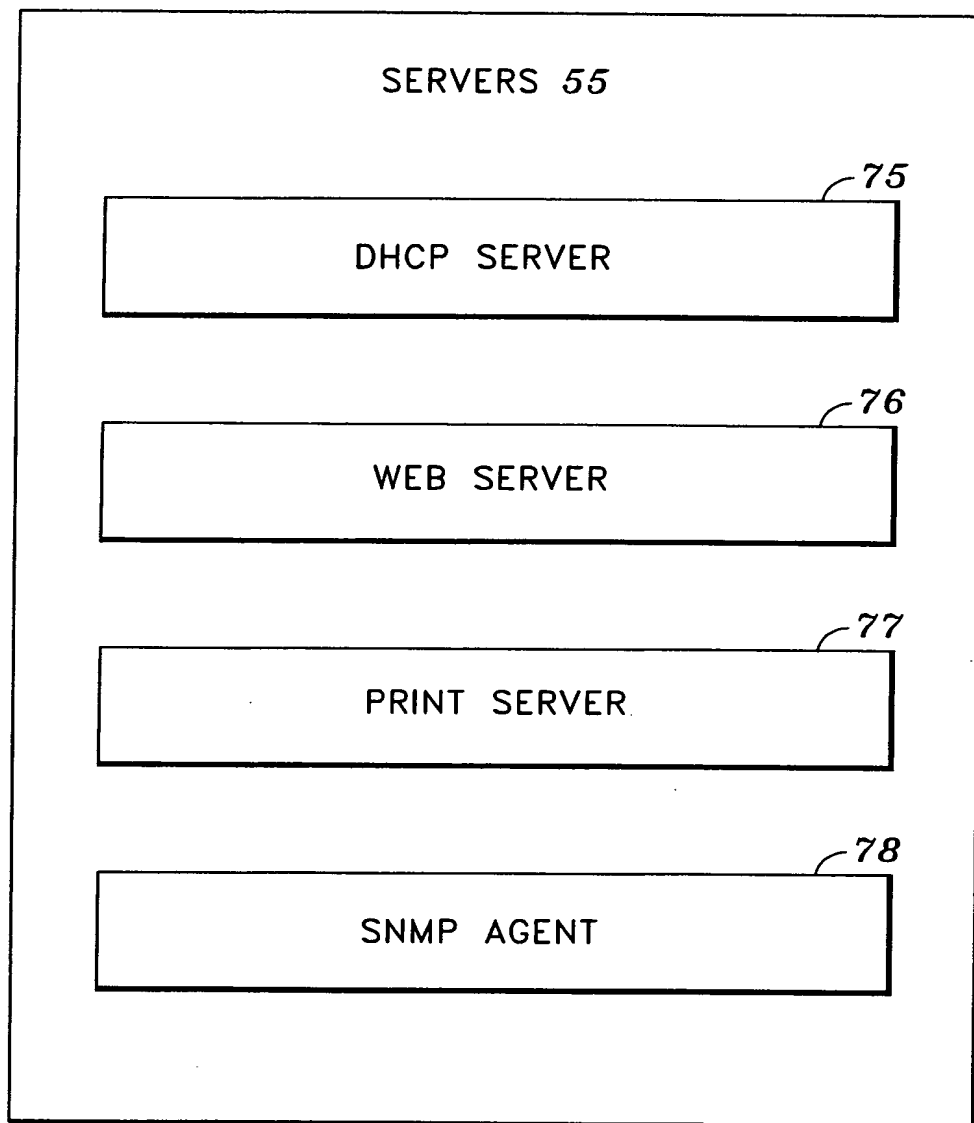


FIG. 4

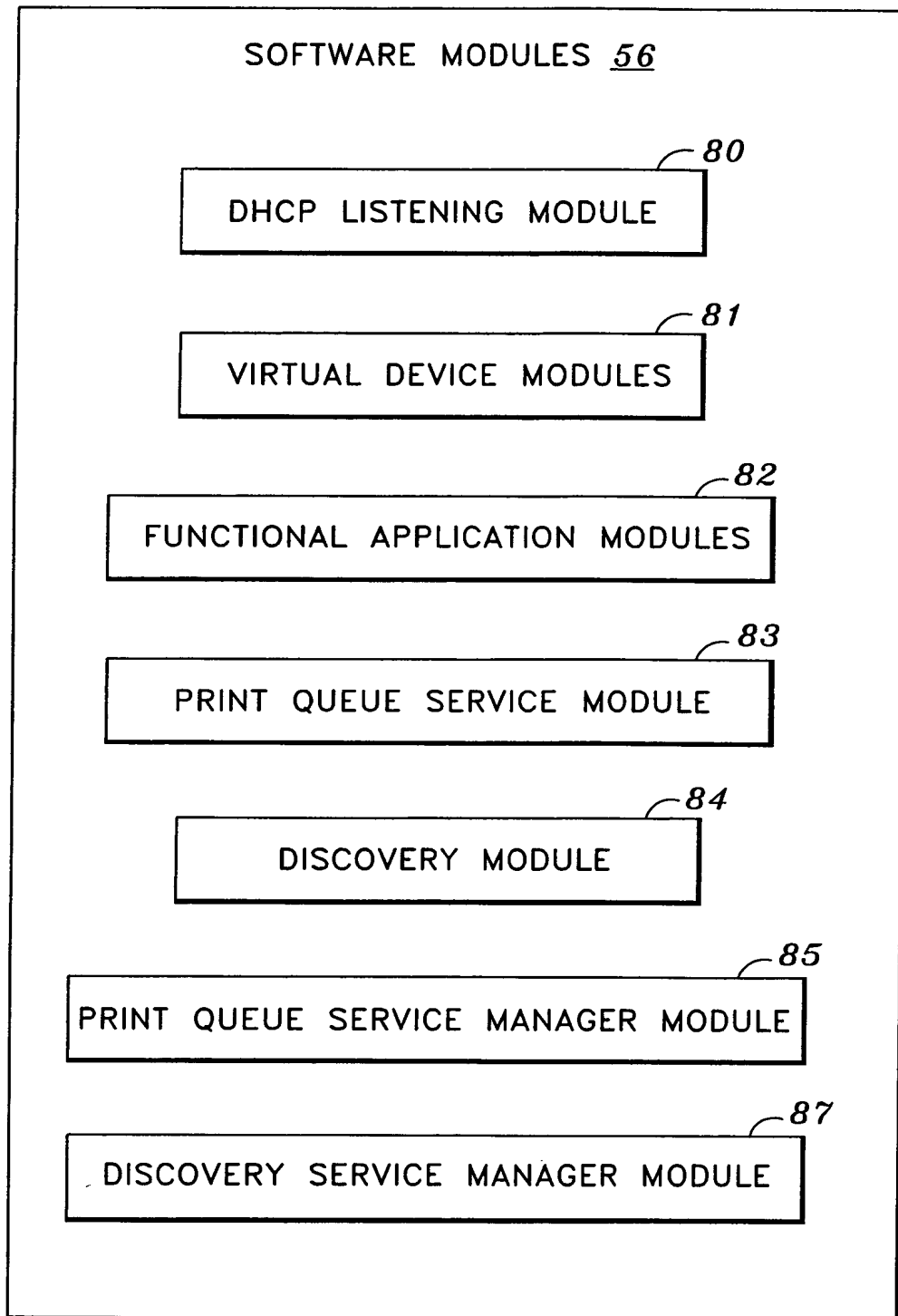


FIG. 5

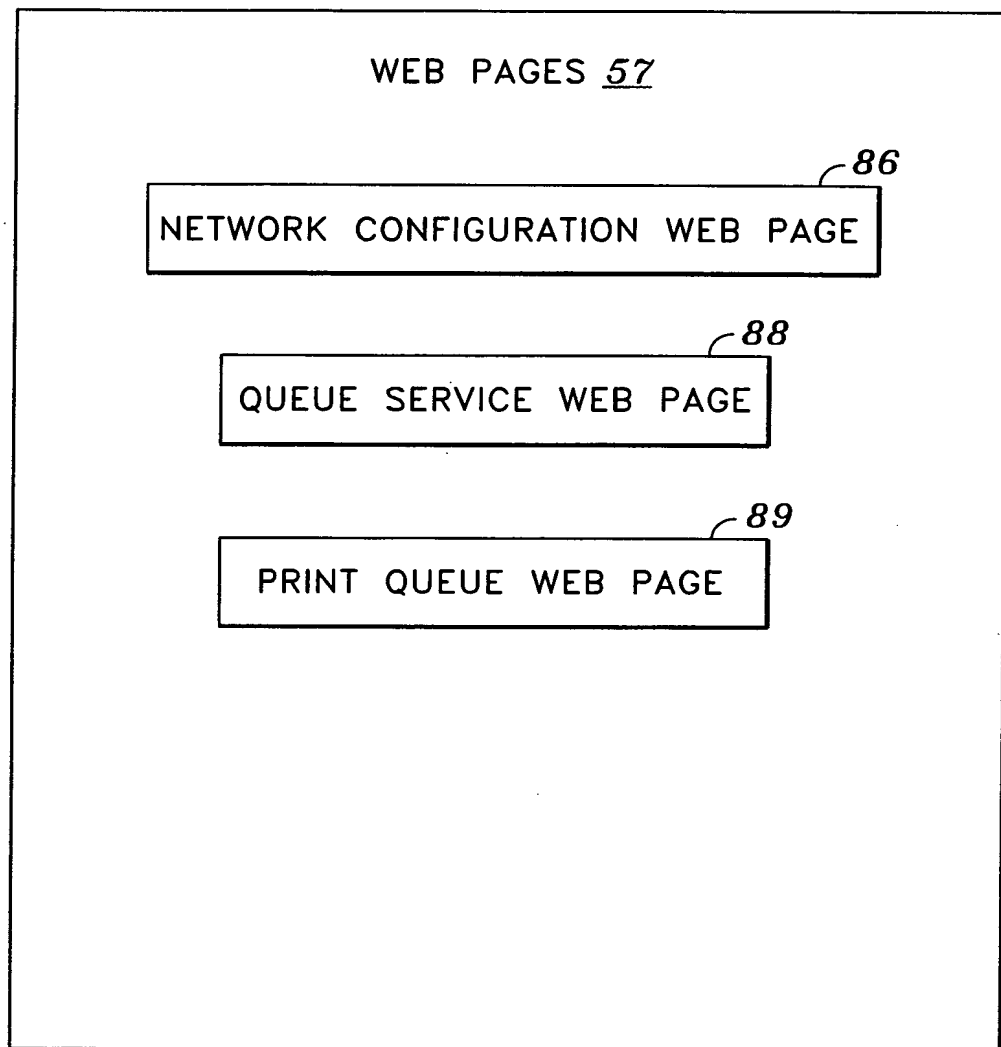


FIG. 6

DEVICE MANAGEMENT DIRECTORY 70

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ENTRY 90	MAC ADDRESS 91	PRINT DEVICE TYPE 92	IP ADDRESS 93	NETWORK CONFIGURATION INFORMATION 94
Entry 1	00:00:85:69:0A:B3	Canon Laser	129.65.220.8	Domain Name, etc.
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
Entry N	--	--	--	--

FIG. 7

PRINT QUEUE CONFIGURATION DIRECTORY 71

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	IP ADDRESS 100	MAC ADDRESS 101	PRINT QUEUE NAME 102	PRINTING CAPABILITIES 103	SERVER 105
Entry 1	129.65.220.8	00:00:85:69:0A:B3	Canon Laser	Color, Letter, A4	Main A
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
ENTRY N	--	--	--	--	--

FIG.8

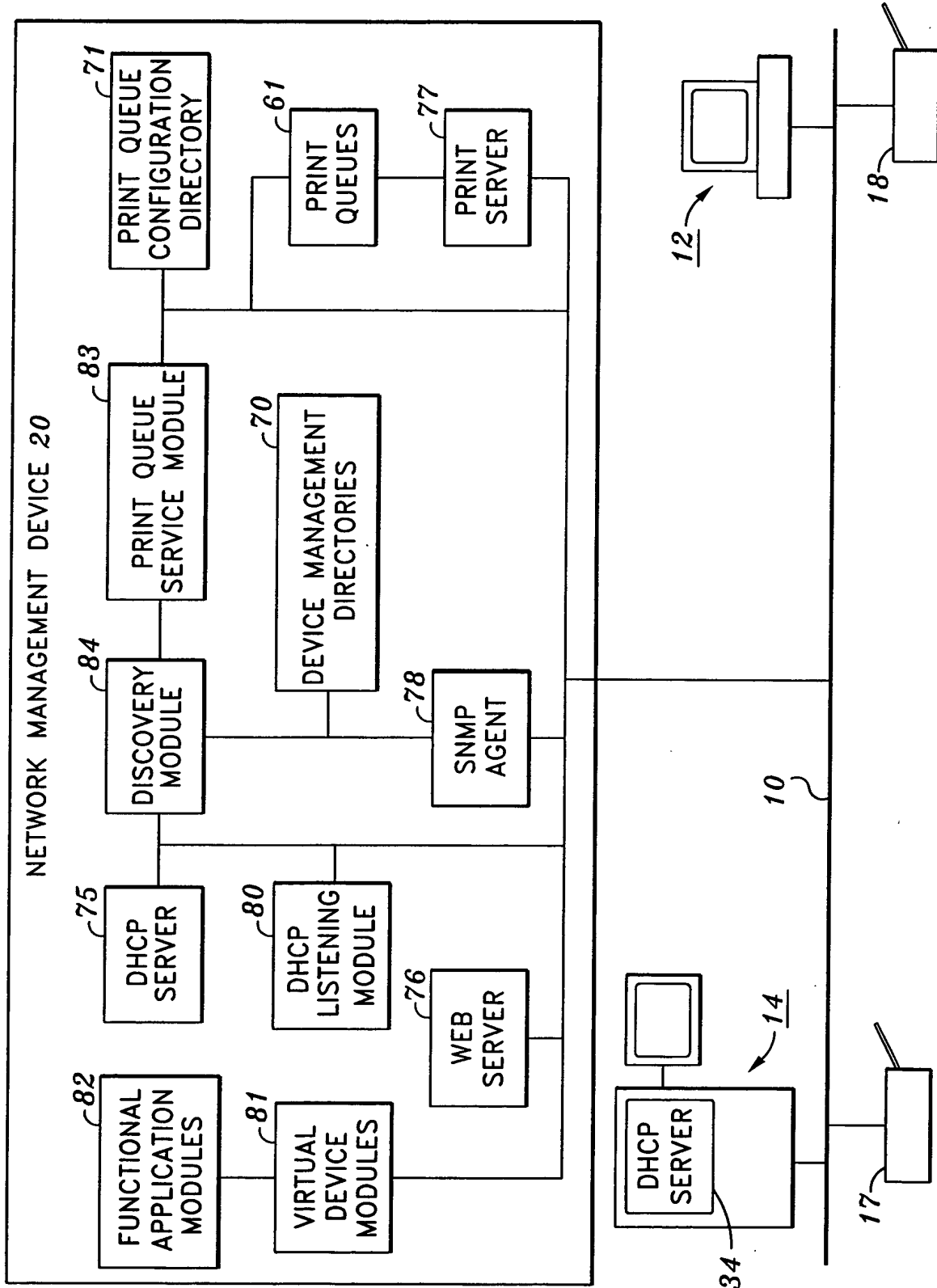


FIG. 9

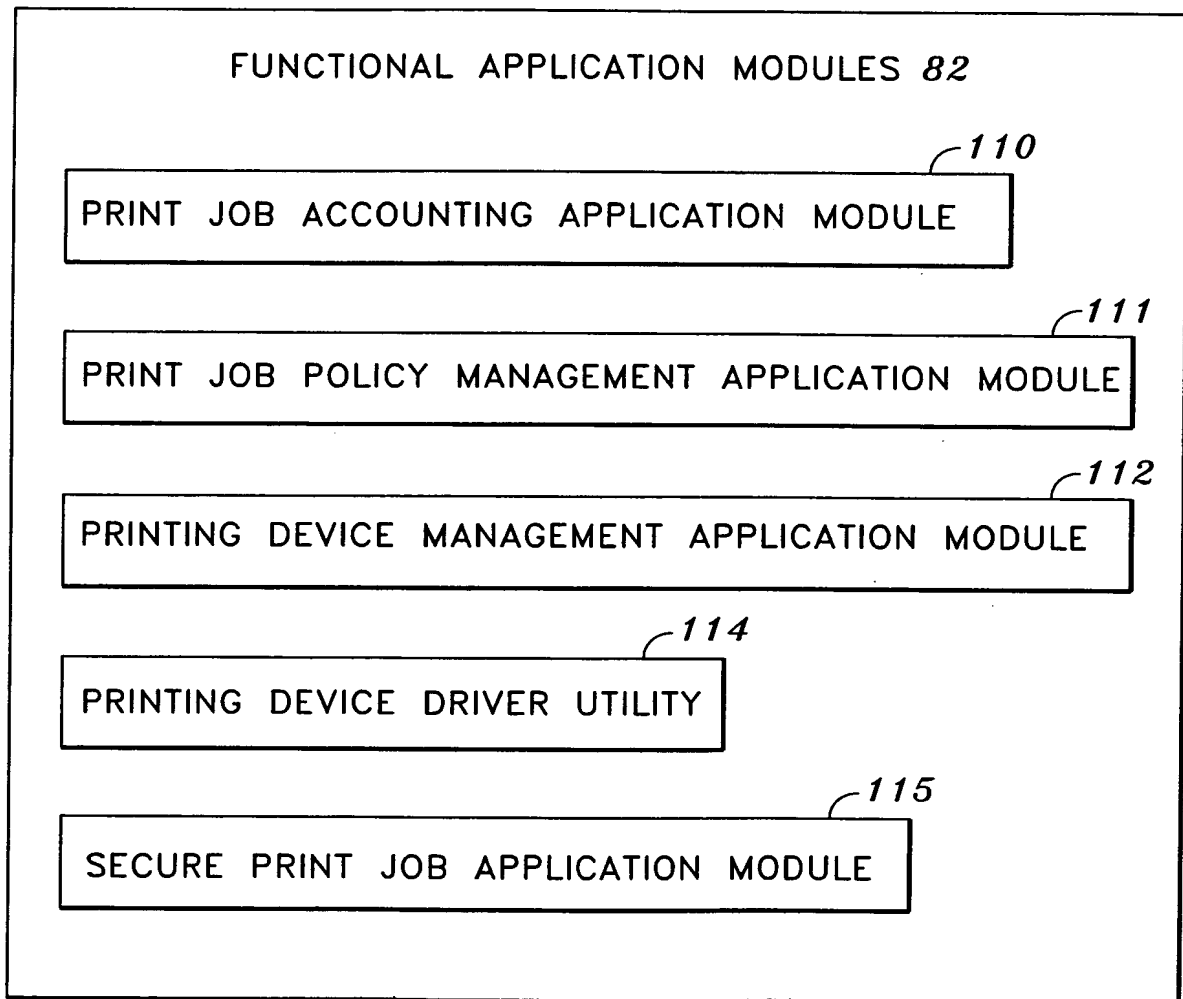


FIG. 10

SERVICES DIRECTORIES 72

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LOCAL SERVICES DIRECTORY		
SUBNET ID ¹²²	SERVICE ¹²⁴	NMD ID ¹²⁵
1	DISCOVERY	NMD 1
1	PRINT QUEUE	NMD 2

121

GLOBAL SERVICES DIRECTORY		
SUBNET ID ¹²²	SERVICE ¹²⁴	NMD ID ¹²⁵
1	PRINT QUEUE	NMD 1
1	DISCOV. SERV. MGR.	NMD 3
1	GLOBAL INFO SERV.	NMD 1

FIG. II

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GLOBAL SERVICES DIRECTORY <u>121</u>		
SUBNET ID ¹²²	SERVICE ¹²⁴	NMD ID ¹²⁵
1	MASTER	NMD 1
1	DISC. SERV. MGR.	NMD 3
1	GLOBAL INFO SERV.	NMD 1
1	PRINT QU. SERV. MGR.	NMD 3
.		
.		
.		
.		

FIG. 12

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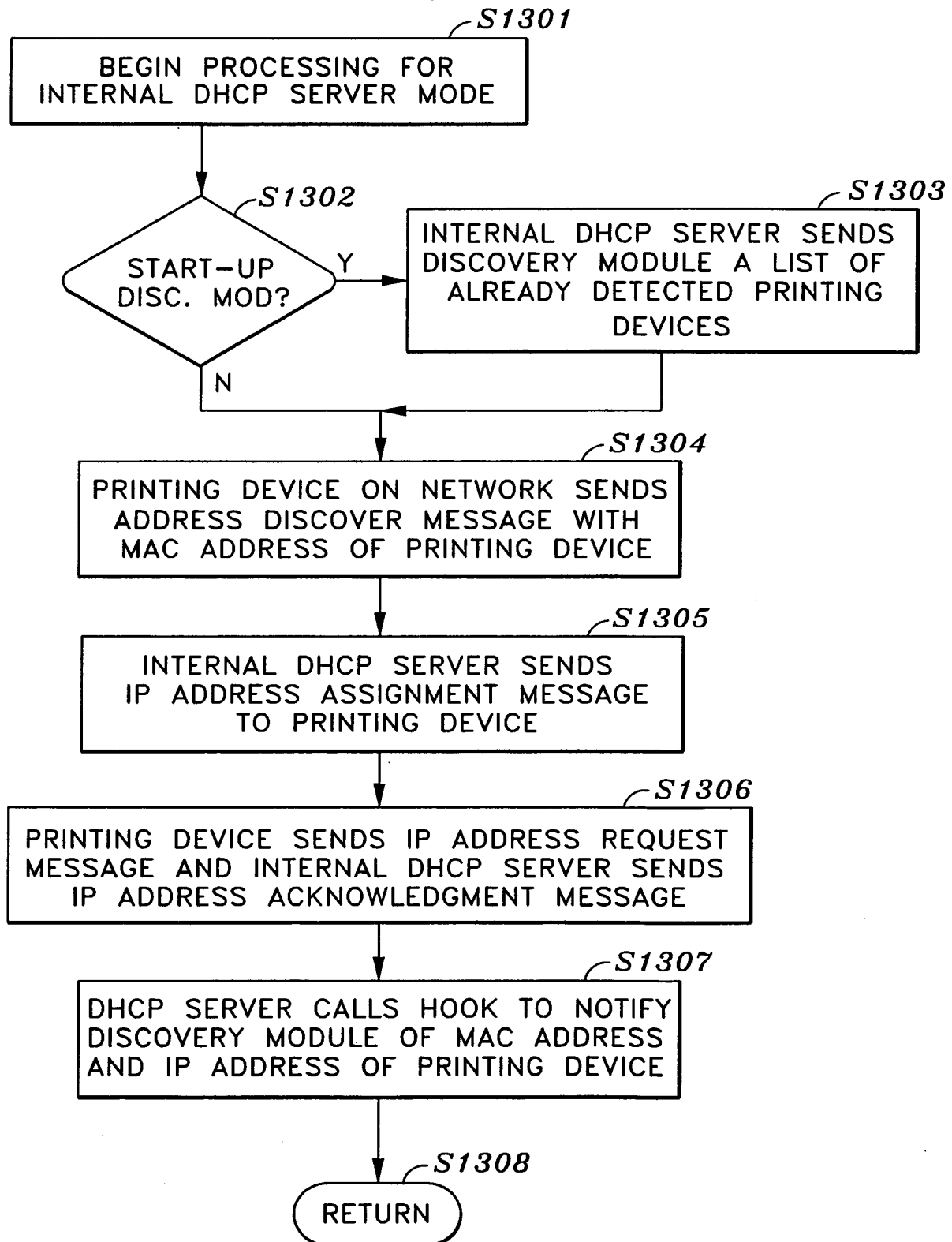


FIG. 13A

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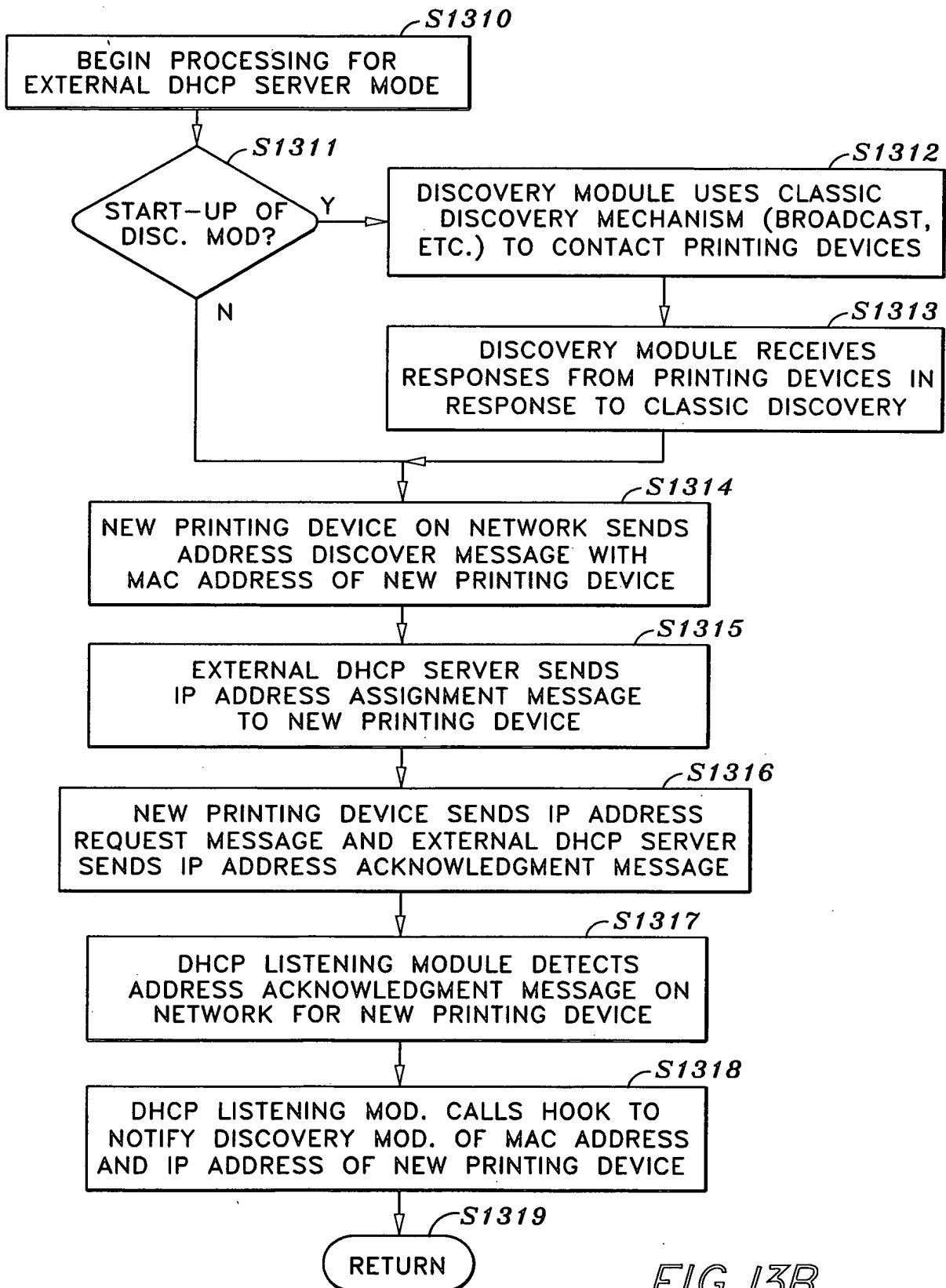
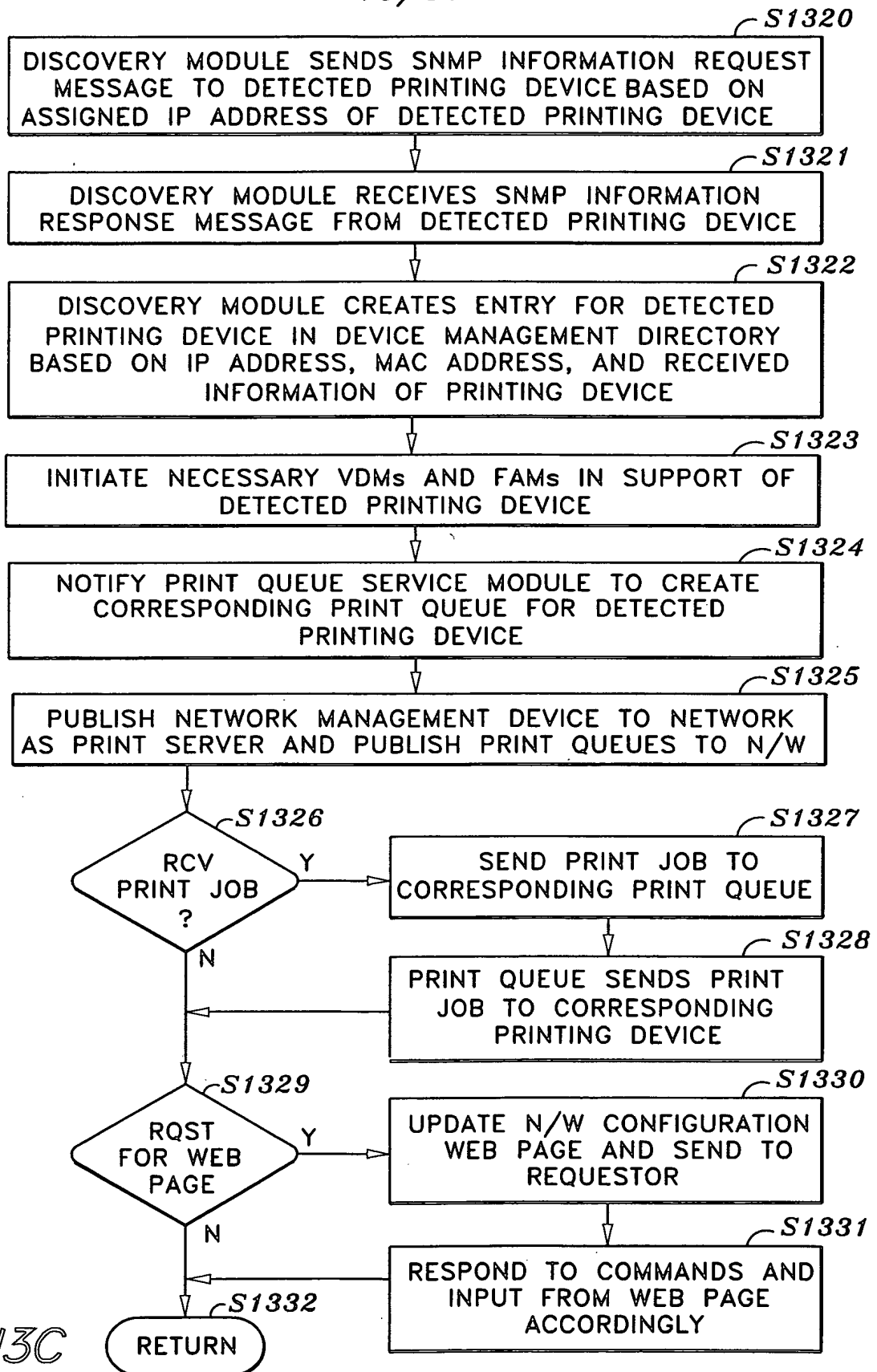


FIG. 13B



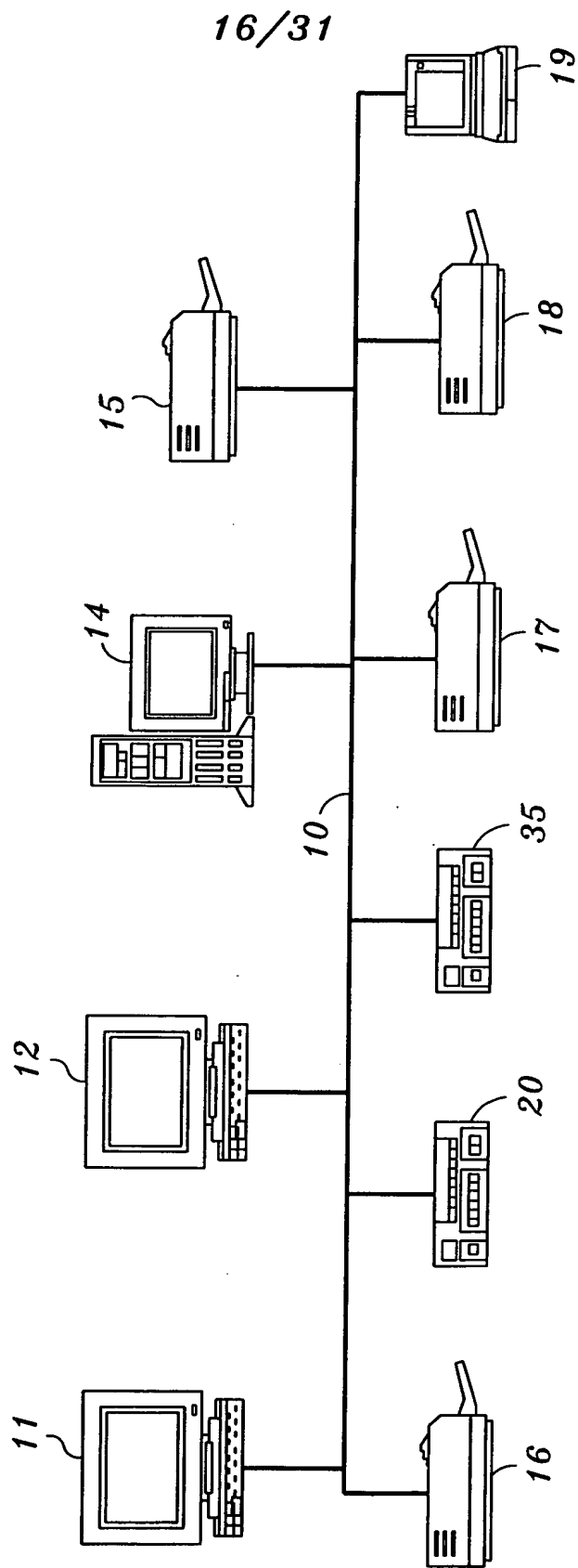


FIG. 14

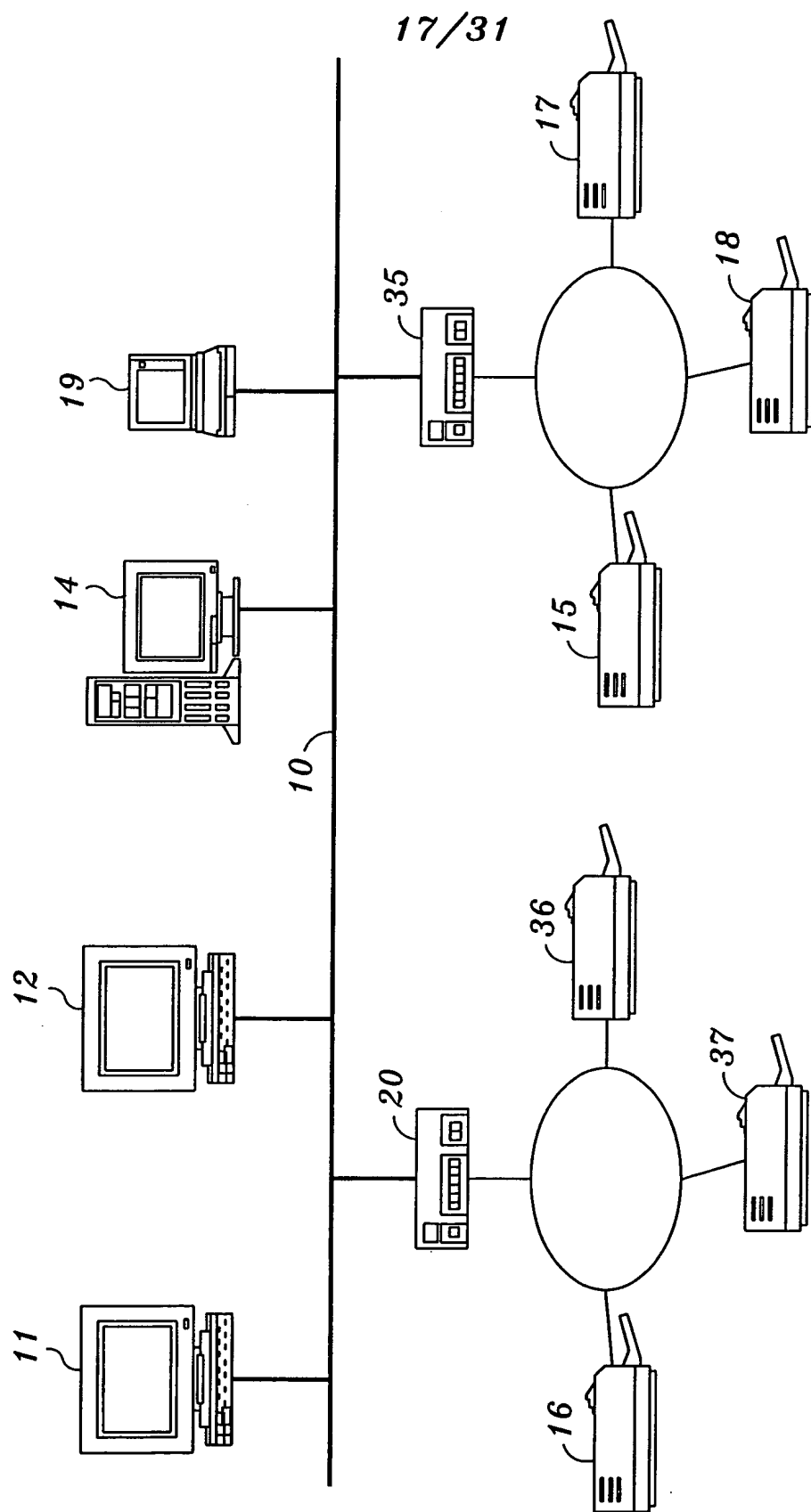


FIG. 15

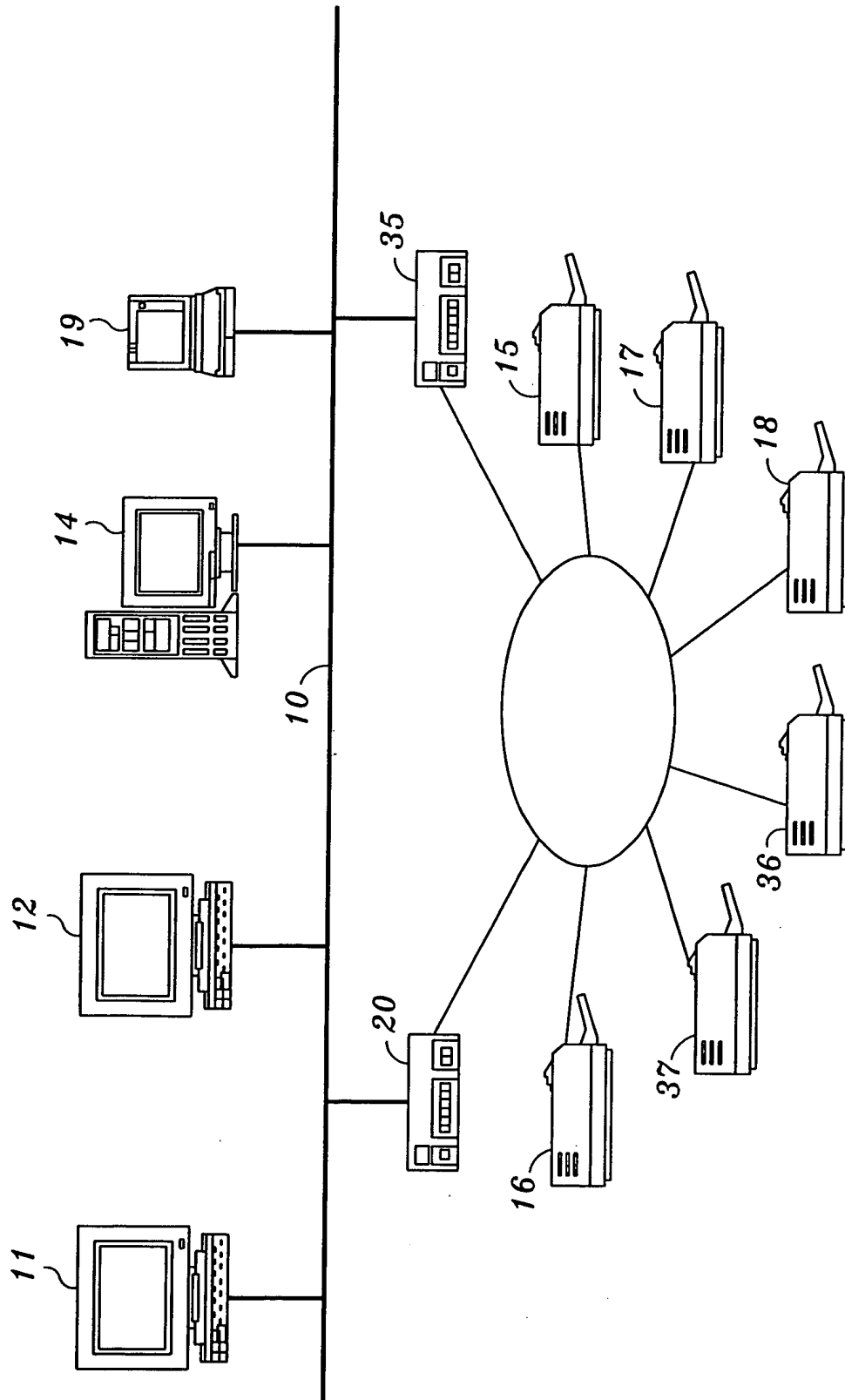
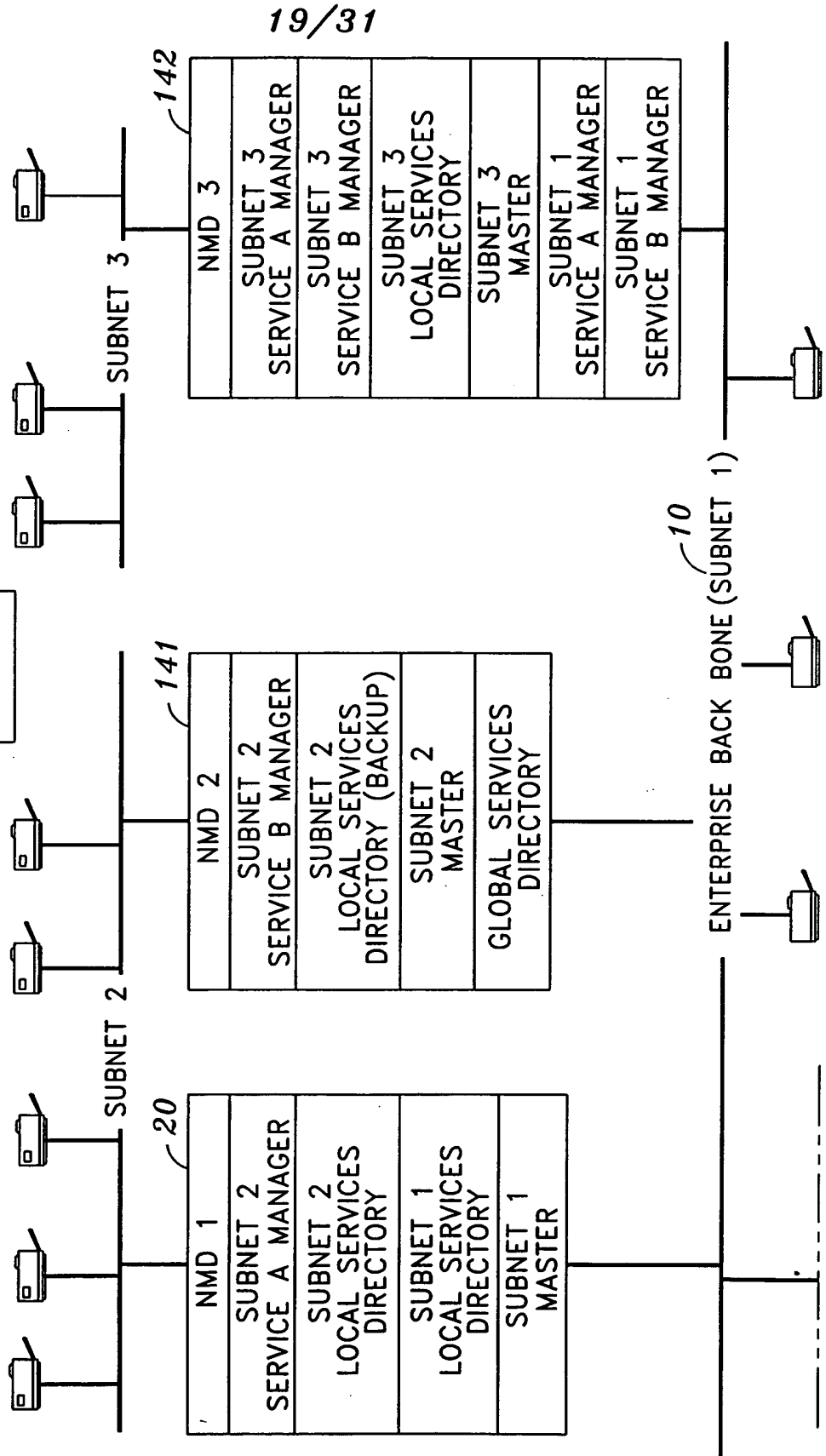


FIG. 16

FIG. 17

FIG. 17A
FIG. 17B

FIG. 17A



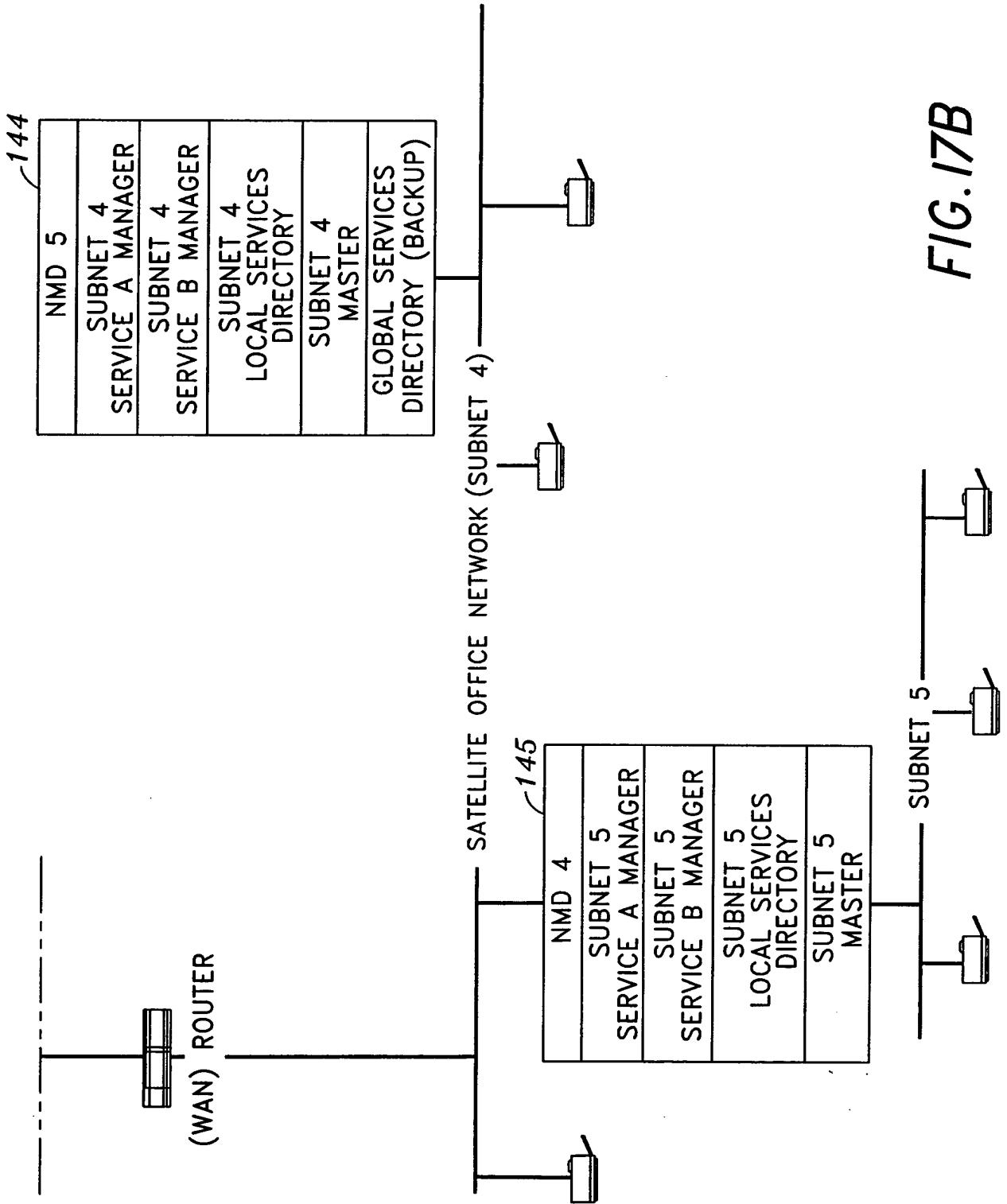


FIG. 17B

FIG. 18

FIG. 18A
FIG. 18B

FIG. 18A

SUBNET	NMD 1	STATE
1	COMPONENT	
1	PRINTER QUEUE SERVICE	NOT RUNNING
1	DISCOVERY SERVICE	NOT RUNNING
1	LOCAL SERVICES DIRECTORY	RUNNING
1	MASTER	RUNNING
2	PRINTER QUEUE SERVICE	RUNNING
2	DISCOVERY SERVICE	NOT RUNNING
2	LOCAL SERVICES DIRECTORY	RUNNING
2	MASTER	NOT RUNNING
	GLOBAL SERVICES DIRECTORY	NOT RUNNING/BACKUP

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SUBNET	NMD 2	STATE
1	COMPONENT	
1	PRINTER QUEUE SERVICE	NOT RUNNING
1	DISCOVERY SERVICE	NOT RUNNING
1	LOCAL SERVICES DIRECTORY	NOT RUNNING/BACKUP
1	MASTER	NOT RUNNING
2	PRINTER QUEUE SERVICE	NOT RUNNING
2	DISCOVERY SERVICE	RUNNING
2	LOCAL SERVICES DIRECTORY	BACKUP
2	MASTER	RUNNING
	GLOBAL SERVICES DIRECTORY	RUNNING

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FIG. 18B

SUBNET	NMD 3	COMPONENT	STATE
1	PRINTER QUEUE SERVICE	RUNNING	RUNNING
1	DISCOVERY SERVICE	RUNNING	RUNNING
1	LOCAL SERVICES DIRECTORY	NOT RUNNING/BACKUP	NOT RUNNING/BACKUP
1	MASTER	NOT RUNNING	NOT RUNNING
3	PRINTER QUEUE SERVICE	RUNNING	RUNNING
3	DISCOVERY SERVICE	RUNNING	RUNNING
3	LOCAL SERVICES DIRECTORY	RUNNING	RUNNING
3	MASTER	RUNNING	RUNNING
	GLOBAL SERVICES DIRECTORY	NOT RUNNING/BACKUP	NOT RUNNING/BACKUP

SUBNET	NMD 4	COMPONENT	STATE
4	PRINTER QUEUE SERVICE	RUNNING	RUNNING
4	DISCOVERY SERVICE	RUNNING	RUNNING
4	LOCAL SERVICES DIRECTORY	RUNNING	RUNNING
4	MASTER	RUNNING	RUNNING
	GLOBAL SERVICES DIRECTORY	BACKUP	BACKUP

SUBNET	NMD 5	COMPONENT	STATE
4	PRINTER QUEUE SERVICE	NOT RUNNING	NOT RUNNING
4	DISCOVERY SERVICE	NOT RUNNING	NOT RUNNING
4	LOCAL SERVICES DIRECTORY	NOT RUNNING/BACKUP	NOT RUNNING/BACKUP
4	MASTER	NOT RUNNING	NOT RUNNING
5	PRINTER QUEUE SERVICE	RUNNING	RUNNING
5	DISCOVERY SERVICE	RUNNING	RUNNING
5	LOCAL SERVICES DIRECTORY	RUNNING	RUNNING
5	MASTER	RUNNING	RUNNING
	GLOBAL SERVICES DIRECTORY	NOT RUNNING/BACKUP	NOT RUNNING/BACKUP

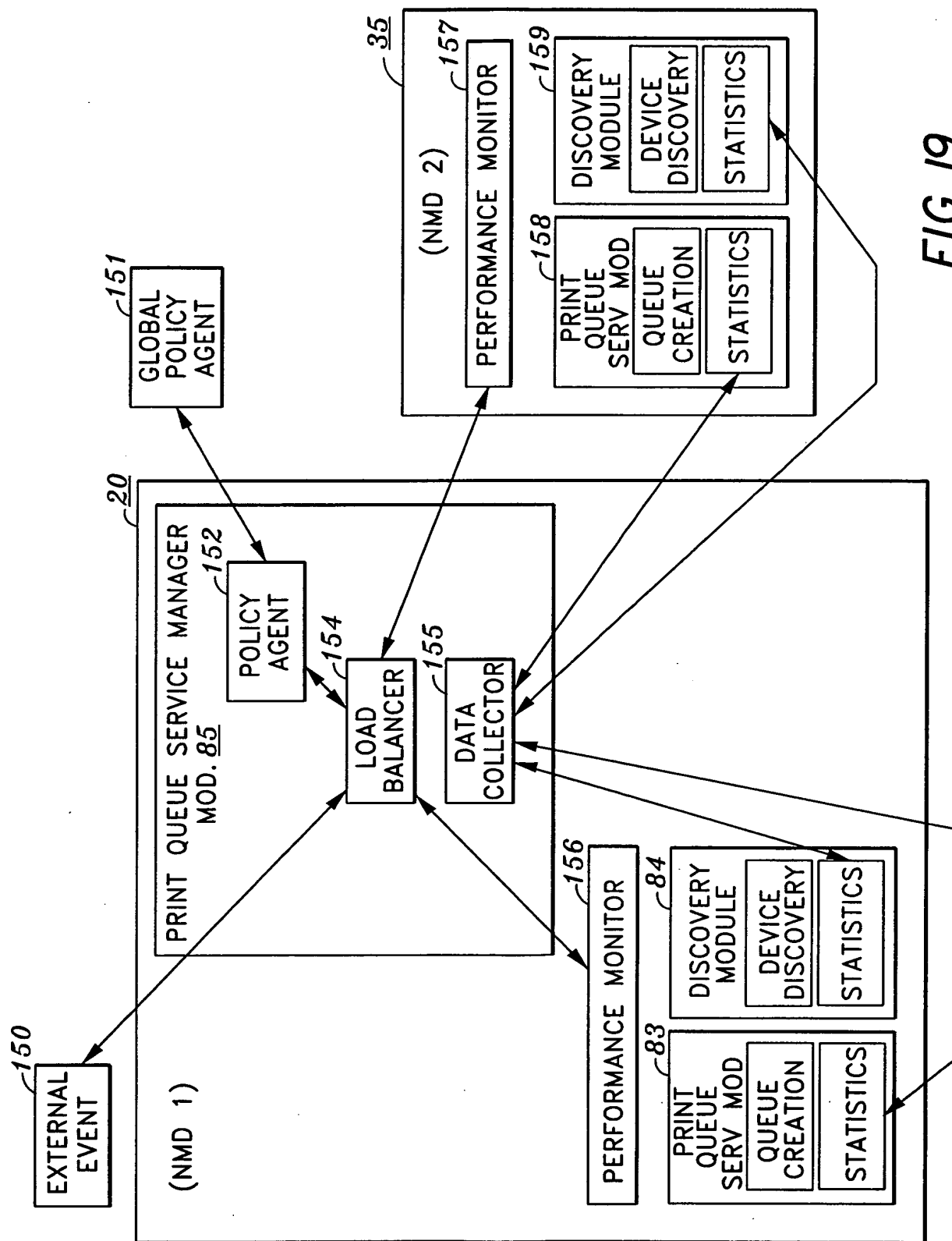


FIG. 20A

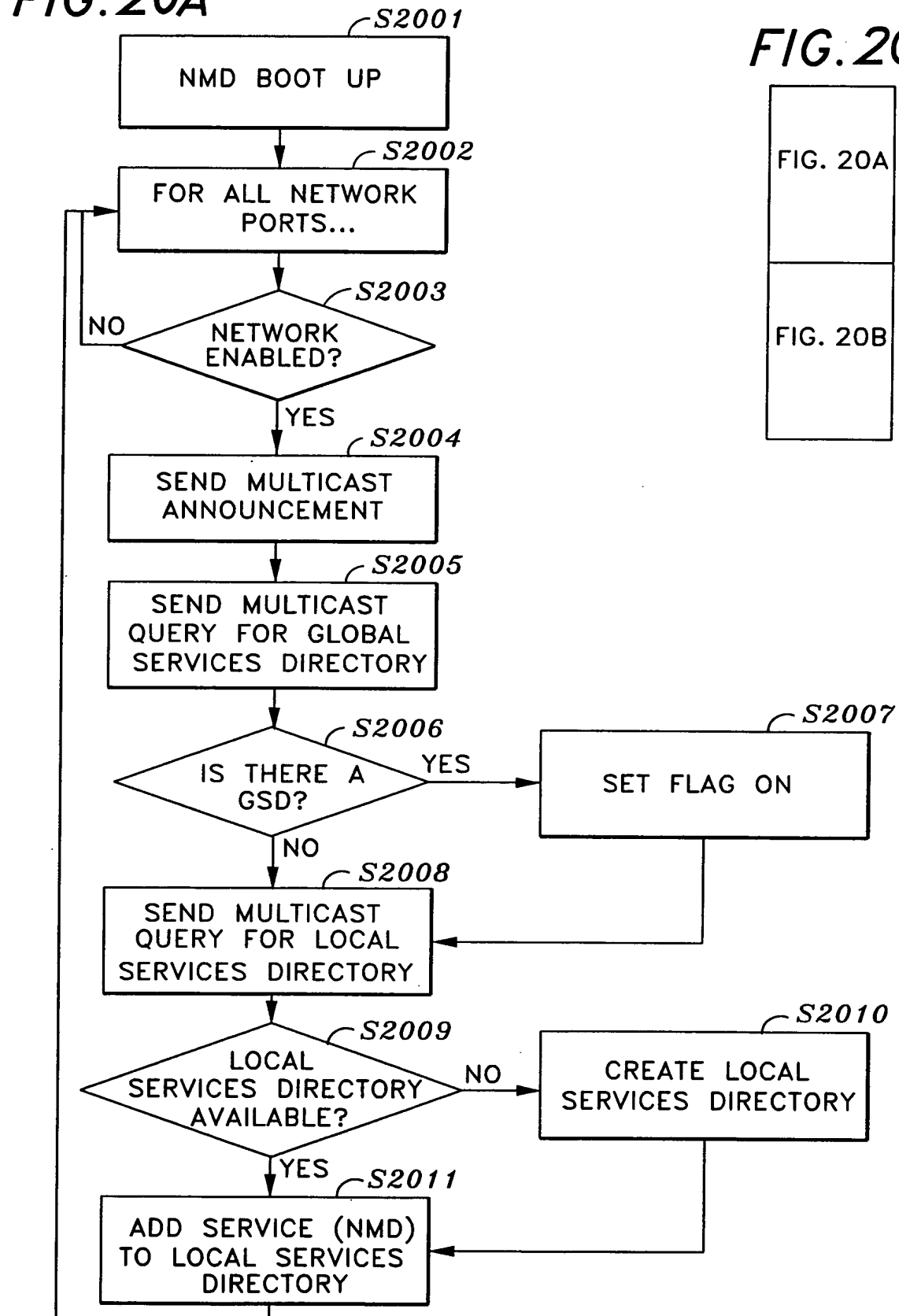


FIG. 20

FIG. 20A

FIG. 20B

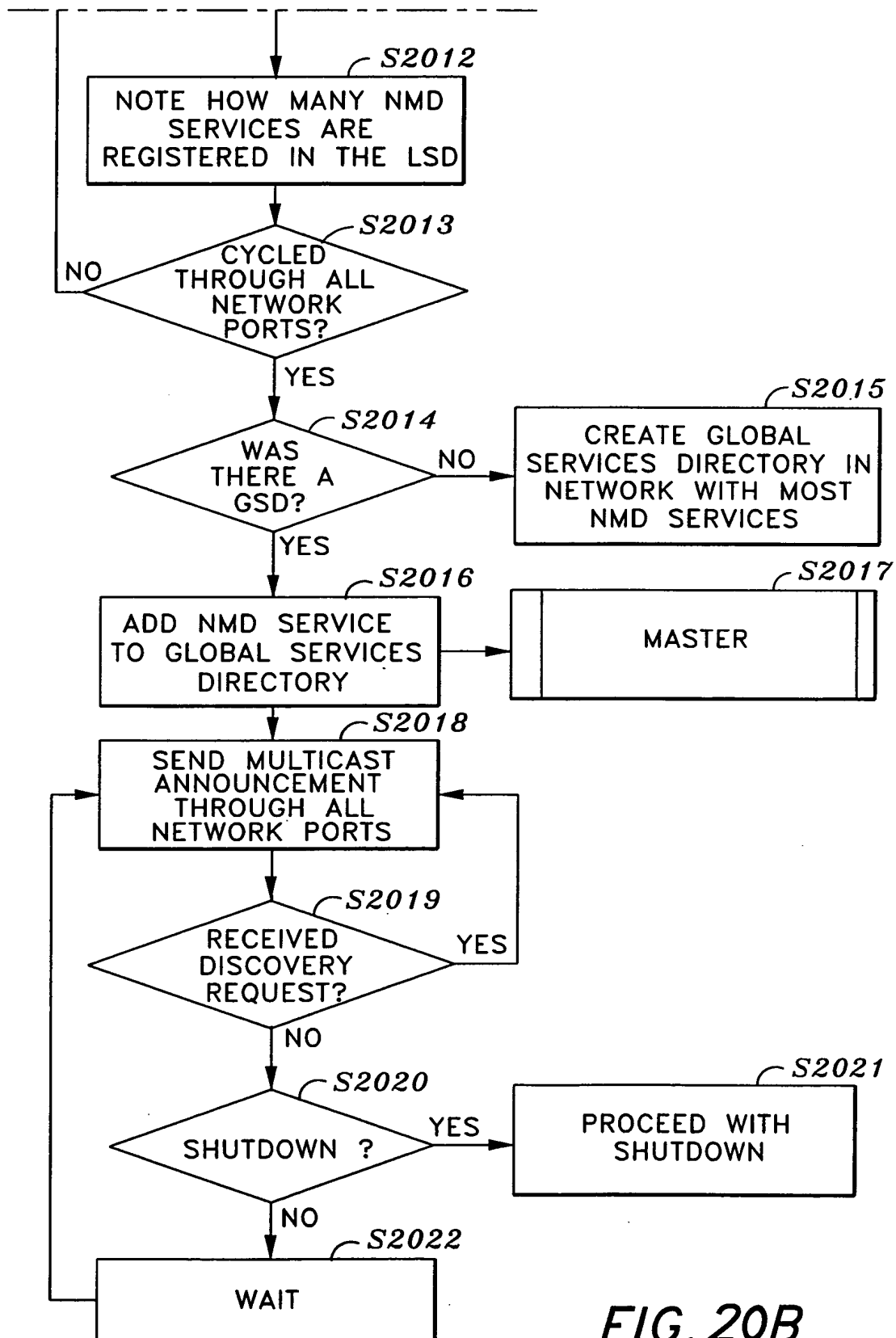


FIG. 20B

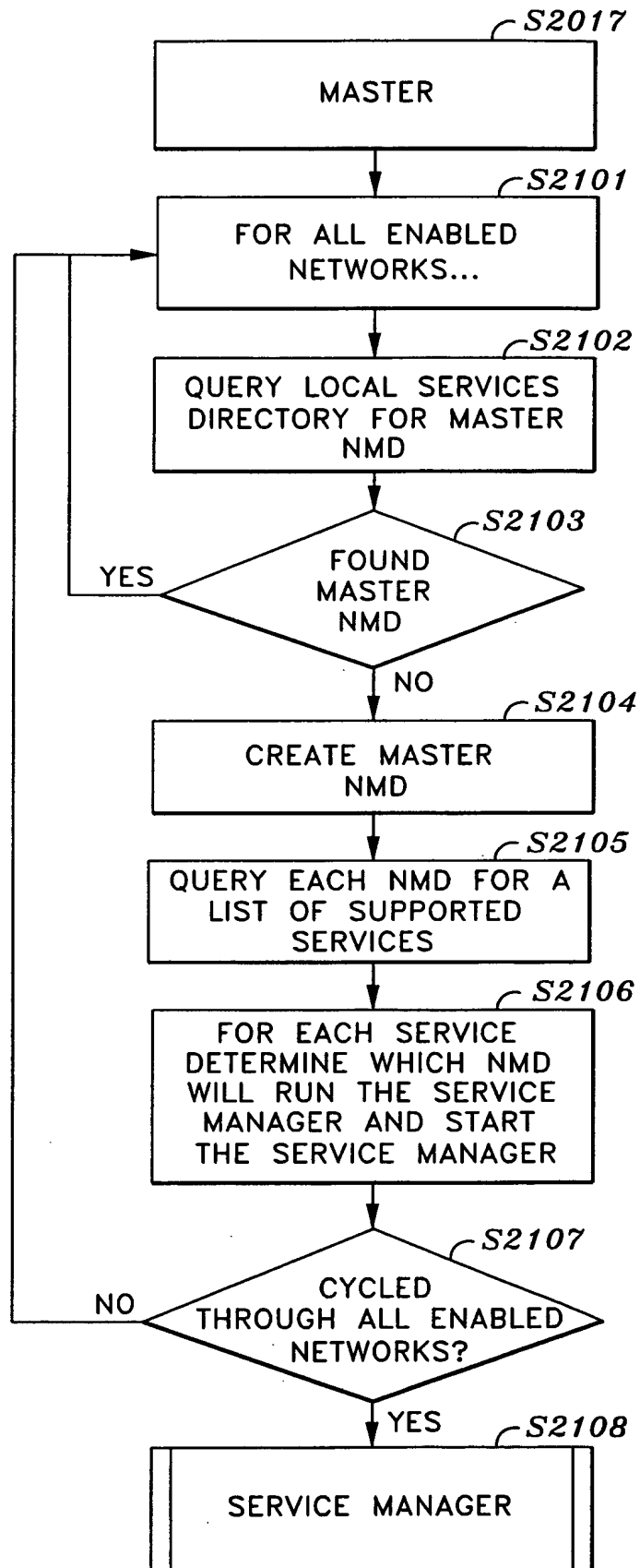


FIG. 21

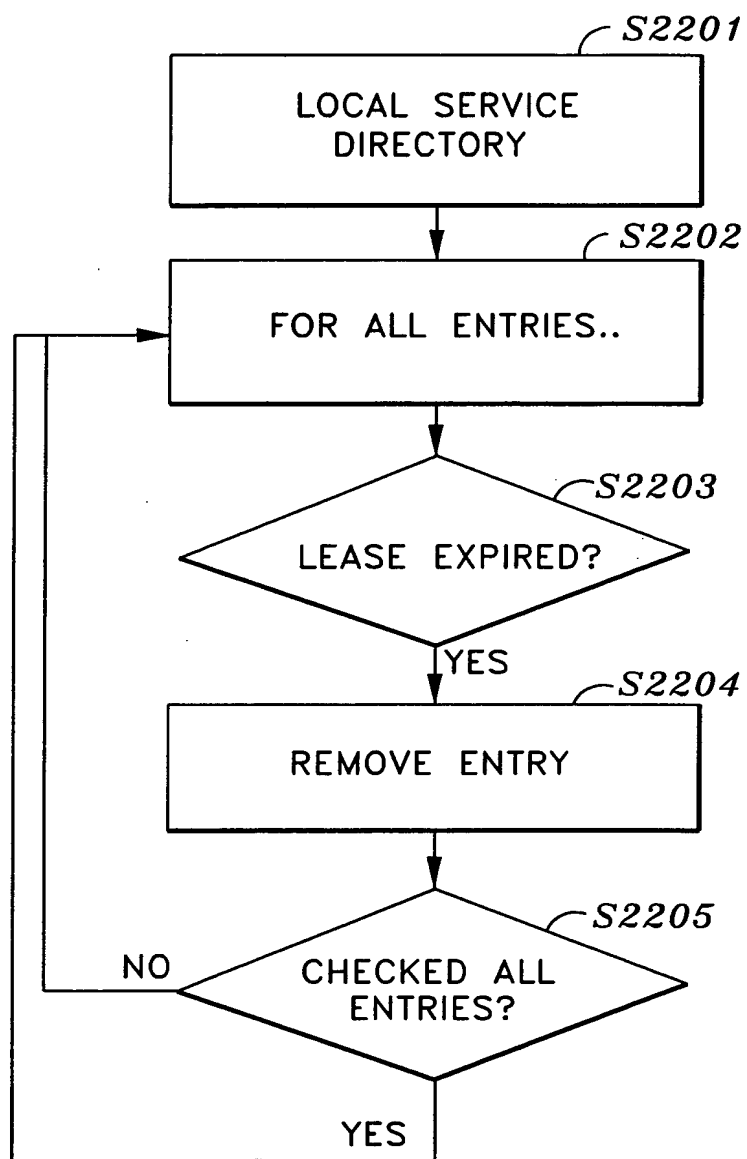


FIG. 22

FIG. 23

FIG. 23A

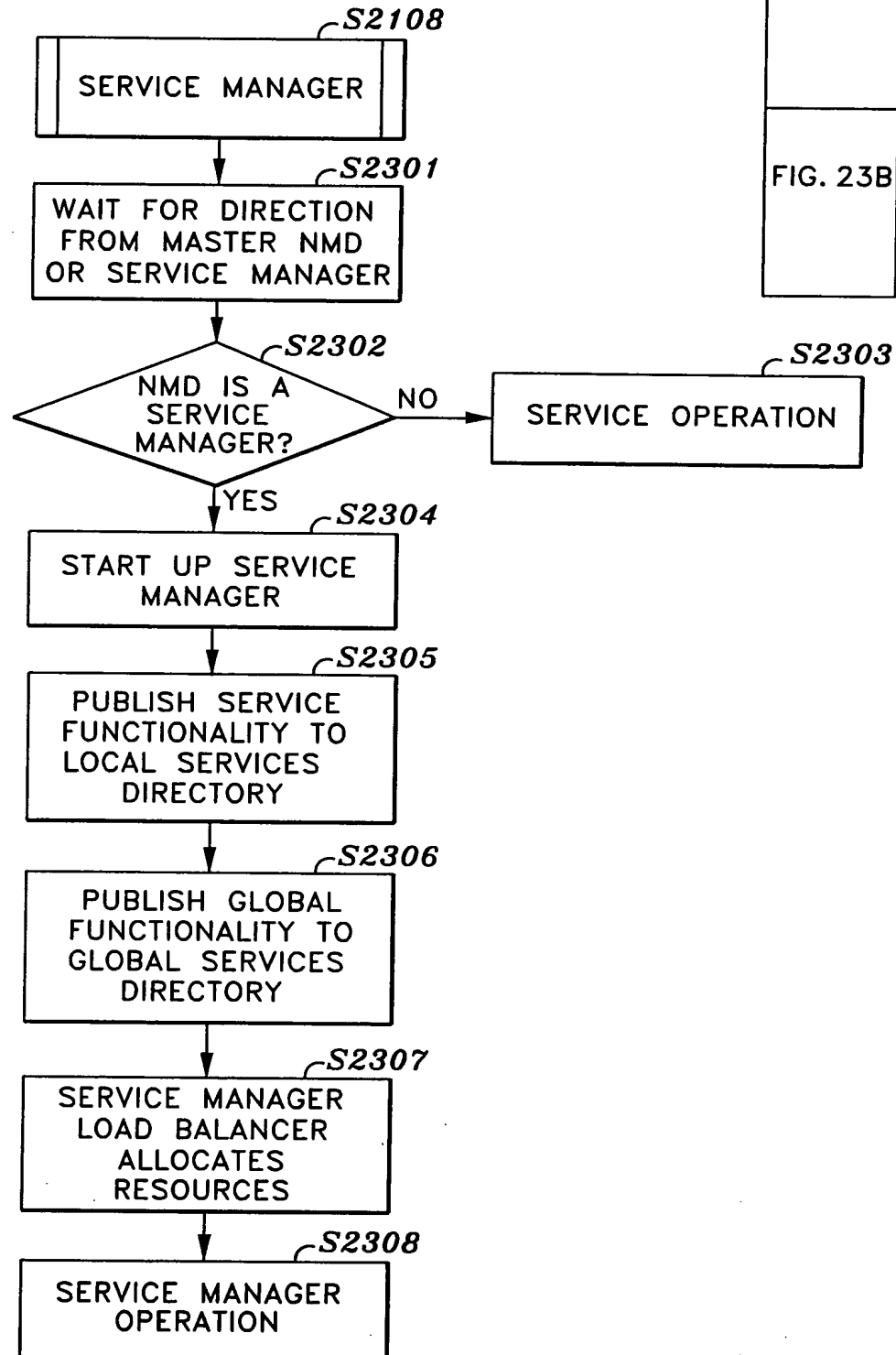


FIG. 23A

FIG. 23B

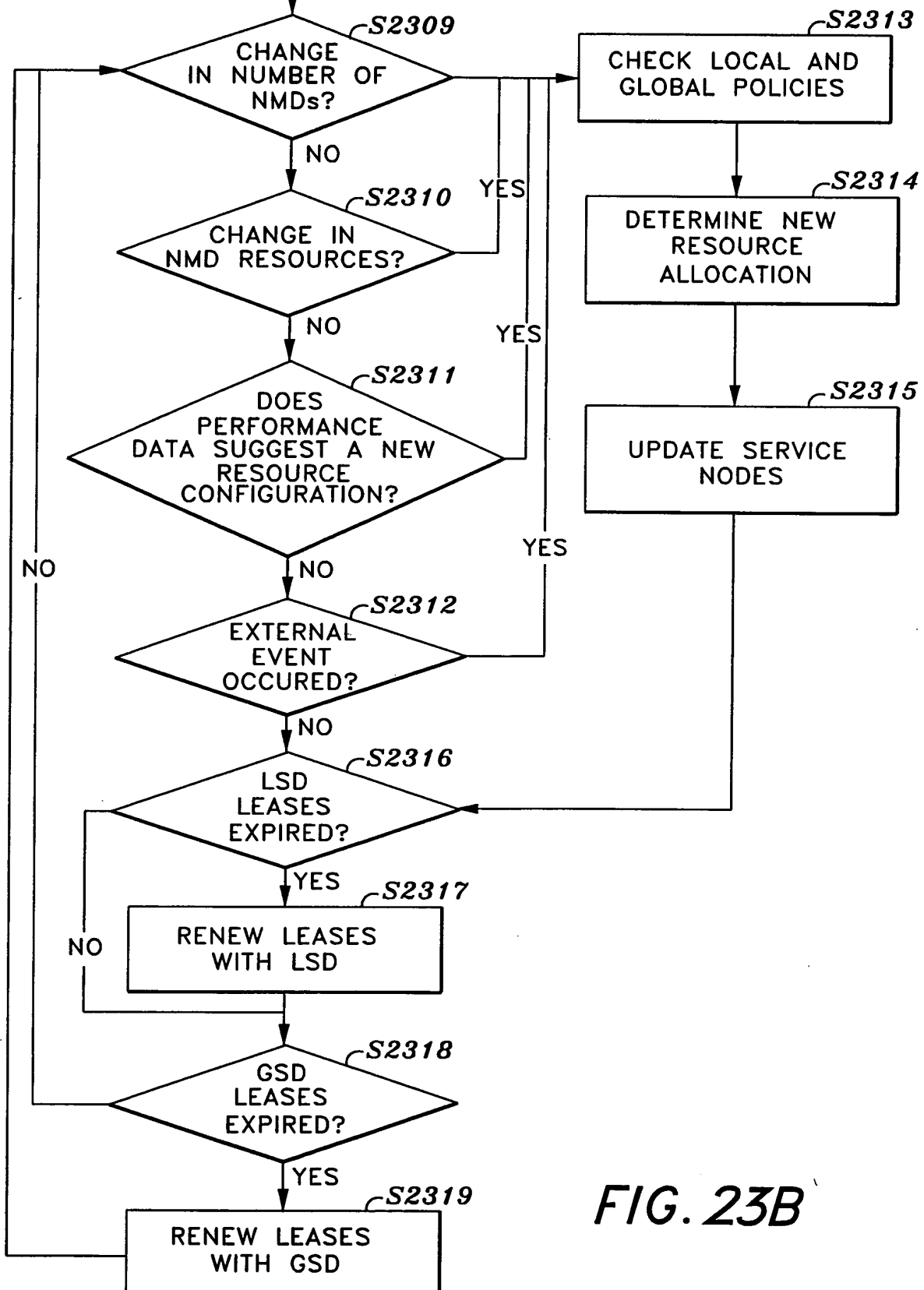
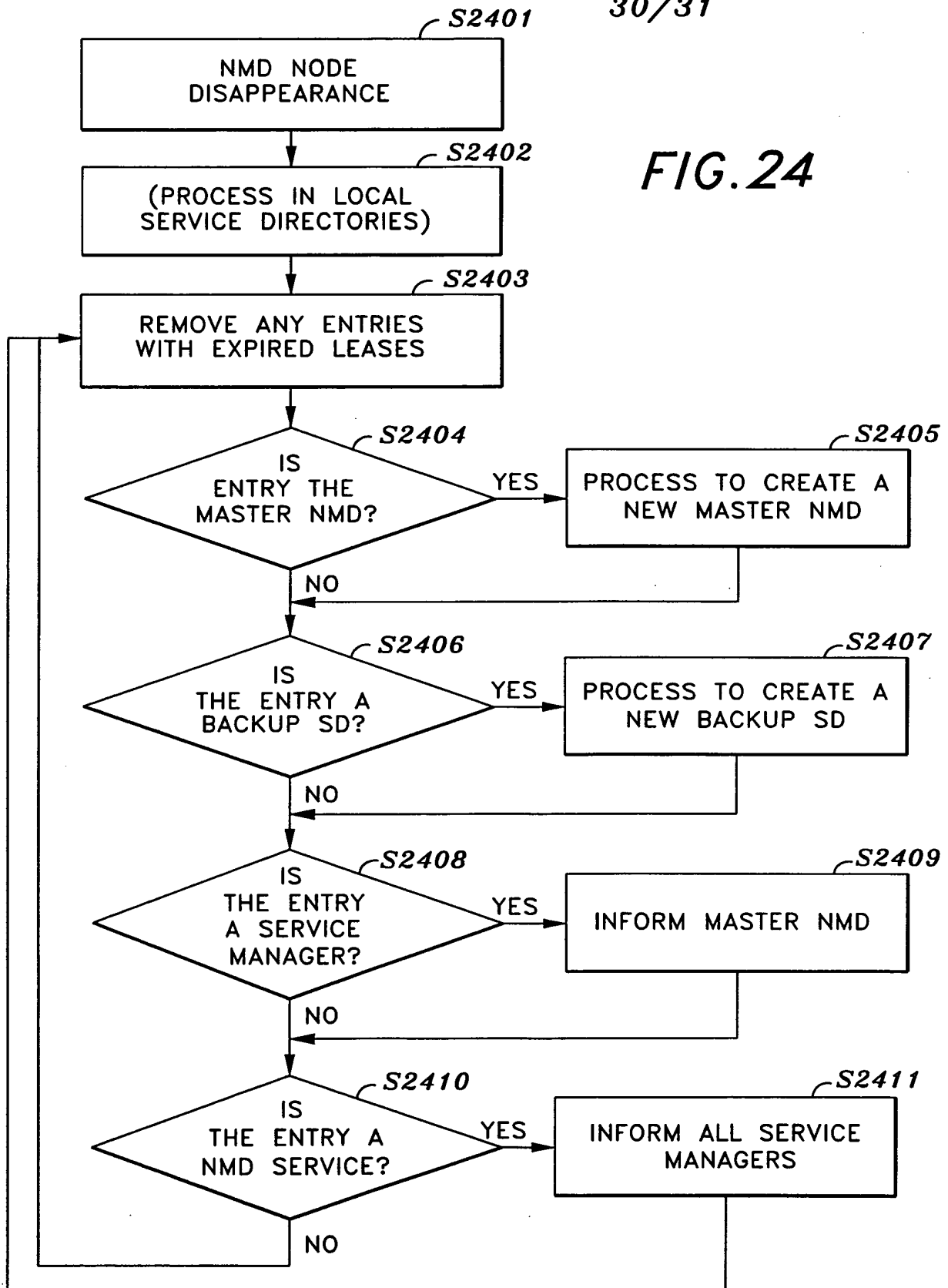


FIG. 23B

FIG. 24



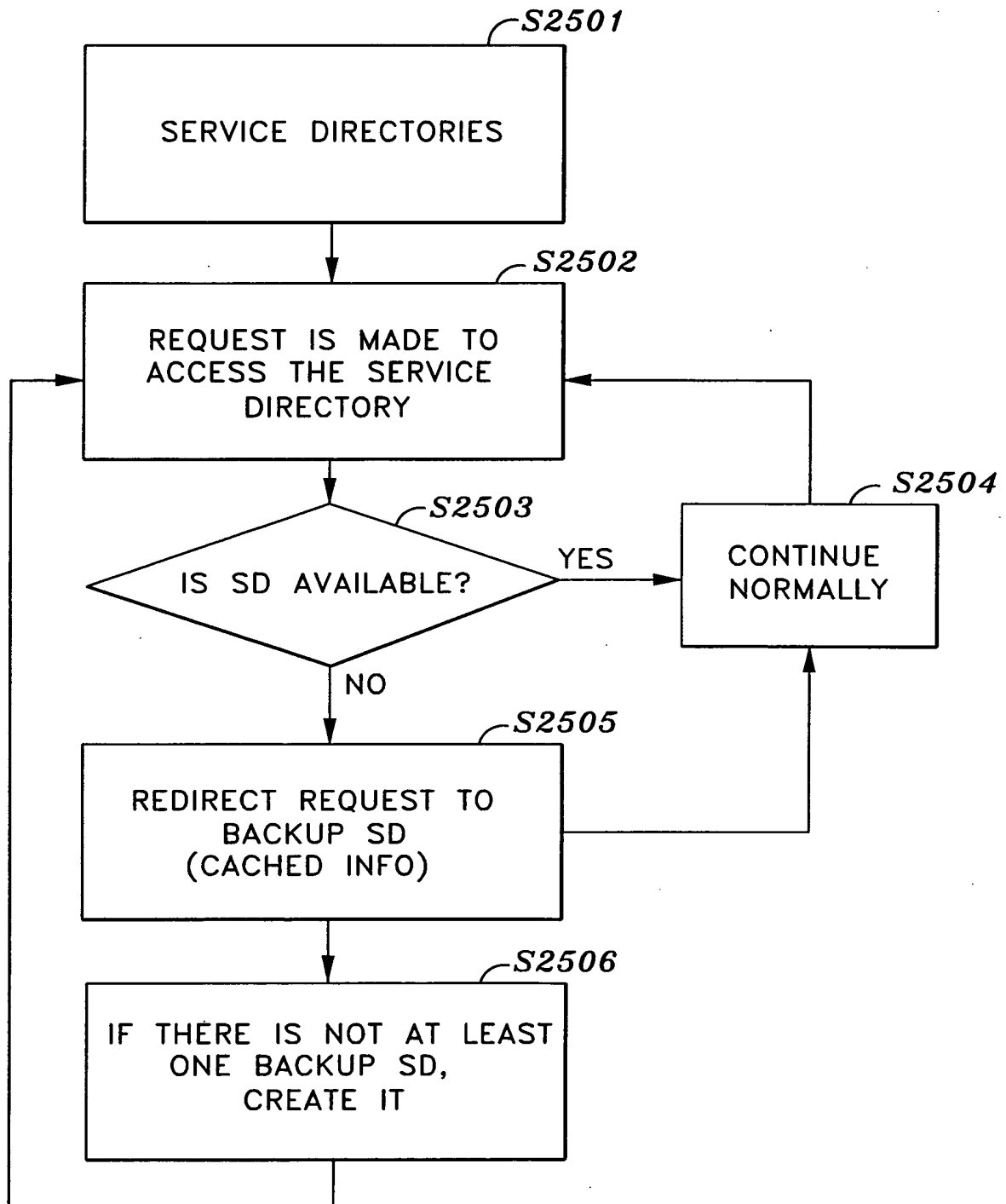


FIG. 25